Understanding The Different Organs That Make Up Our Digestive System and The Mannatech Digestive Health Products for Support*

Our digestive system is responsible for breaking down all that we consume, separating the nutrients for optimal nutrition and preparing the waste for elimination. With such a complex and lengthy process, it's no wonder there are many different organs all with their own unique role to contribute to the process.

The main organs that make up the digestive system (in order of their function) are the mouth, esophagus, stomach, small intestine, large intestine, rectum and anus. Helping them along the way are the pancreas, gall bladder and liver.

Mouth Breaks up food particles **Pharynx** Swallows Gallbladder Stores and concentrates MannaCLEANSE® **Large Intestine** supports the lower Reabsorbs some GI-Tract health from water and ions the large intestine Forms and stores feces through elimination to optimize the **Small intestine** Completes digestion process with comfort* Mucus protects gut wall Absorbs nutrients, mostly Peptidase digests proteins Sucrases digest sugars Amylase digests polysaccharides Rectum Stores and expels feces **Liver Support** Promotes healthy liver Anus function for the break Opening for elimination down and removal of of feces

Salivary Glands

Saliva moistens and lubricates food Amylase digests polysaccharides

Esophagus

Transports food

Stomach

Stores and churns food Pepsin digest protein HCI activates enzymes, breaks up food, and kills germs Mucus protects stomach wall

Pancreas

Limited absorption

Hormones regulate blood glucose levels Bicarbonate neutralize stomach acid Trypsin and chymotrypsin digest proteins Amylase digests polysaccharides Lipase digests lipids

Liver

Breaks down and builds up many biological molecules Stores vitamins and iron Removes old blood cells Detoxifies Bile aids in digestion

GI-Zyme®

digestive enzymes are used at different stages throughout the digestive process to break down food and optimize digestion with comfort*

PREBIOTICS

Manapol®
Ambrotose®
PROBIOTICS
GI-ProBalance®

POSTBIOTICS

GI-Defense®

all support the gut microbiome by supporting the beneficial bacteria in the digestive process of the upper GI tract*

Prebiotics – Are the food or nourishment for the probiotics Probiotics – Are the beneficial bacteria that consumes the food Postbiotics – Are the biproduct produced

Postbiotics – Are the biproduct produced as a result of the probiotics consuming the prebiotics. Research is starting to show that much for health benefits that were attributed to the probiotics can actually be the result of the process (or presence of the postbiotics)



waste*